UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

August 1966

PART II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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SEA SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN

AUGUST 1966

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U. S. Naval Weather Service, Fleet Numerical Weather Facility, Monterey, California
U. S. Weather Bureau Port Meteorological Office, Cristobal, Canal Zone
U. S. Weather Bureau, San Diego, California
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W. R. Grace and Company, New York, New York by Dr. I. William Lane
Ships Royal Pacific, Californian, Monsoon and West Point

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weather ship stations. Numerals on shore are temperatures at coastal and lightship stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term charts of H.O. 225. Hatched areas are colder in 1966.

Figure 3.--Deviation of sea surface temperatures (°F) from those of August 1965. Hatched areas are colder in 1966.

Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal stations.

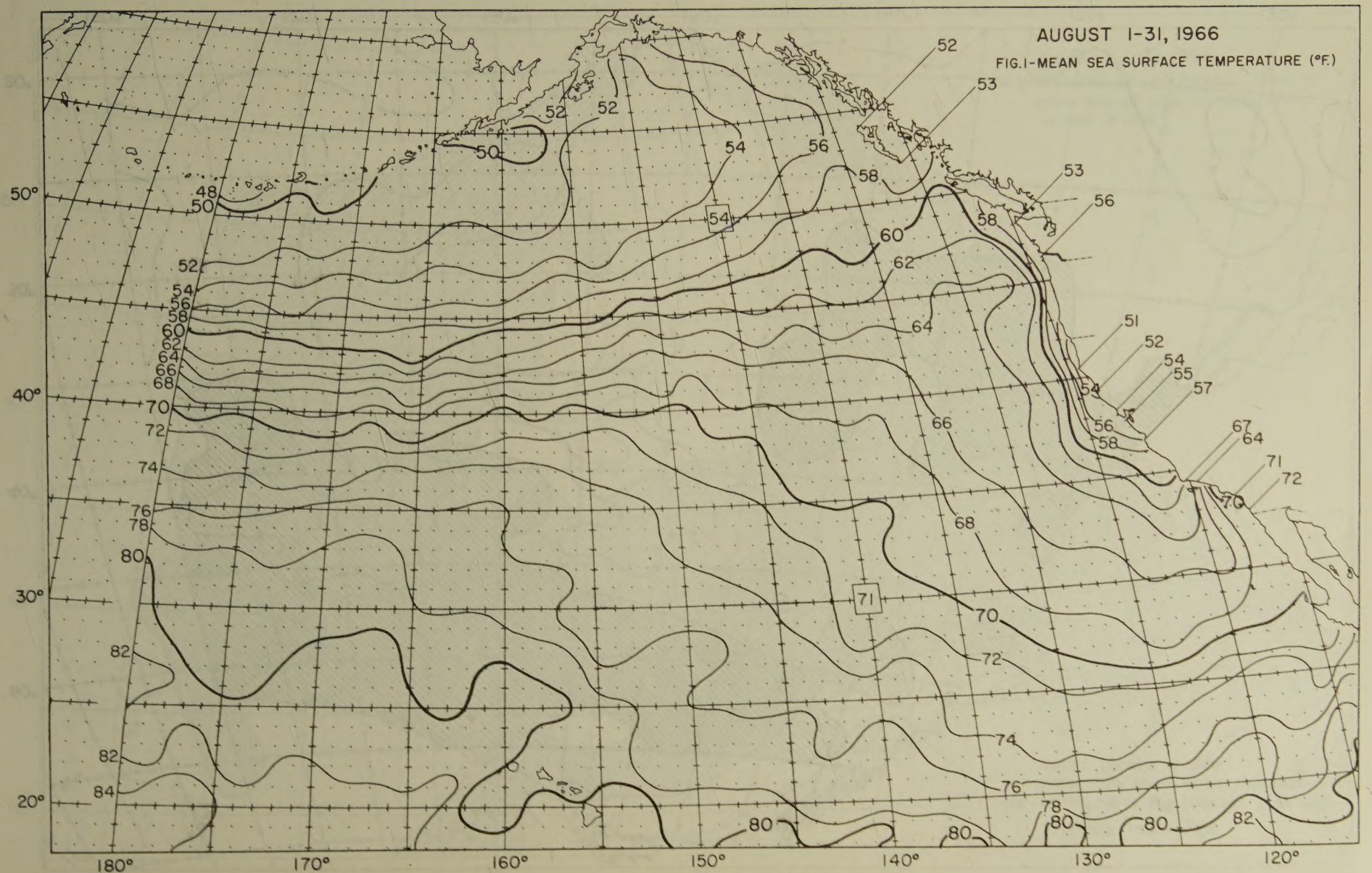
Figure 5.--Deviation of sea surface temperatures (°F) August 1966-August 1965 by 1-degree squares. Shaded areas are colder in 1966.

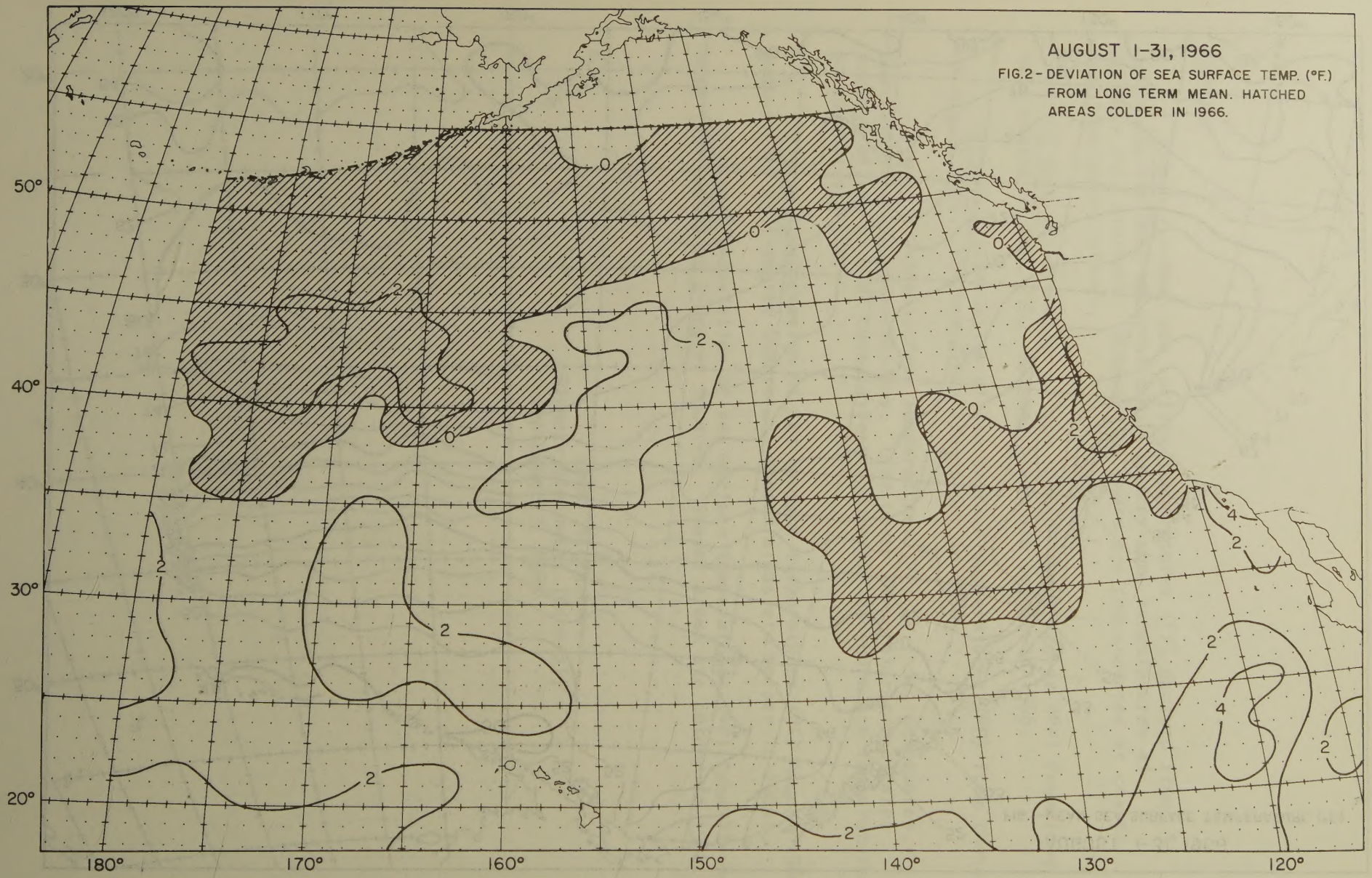
Figure 6.--Deviation of sea surface temperatures (°F) from 12-year mean (1947-1958) by 2-degree squares. Shaded areas are colder in 1966.

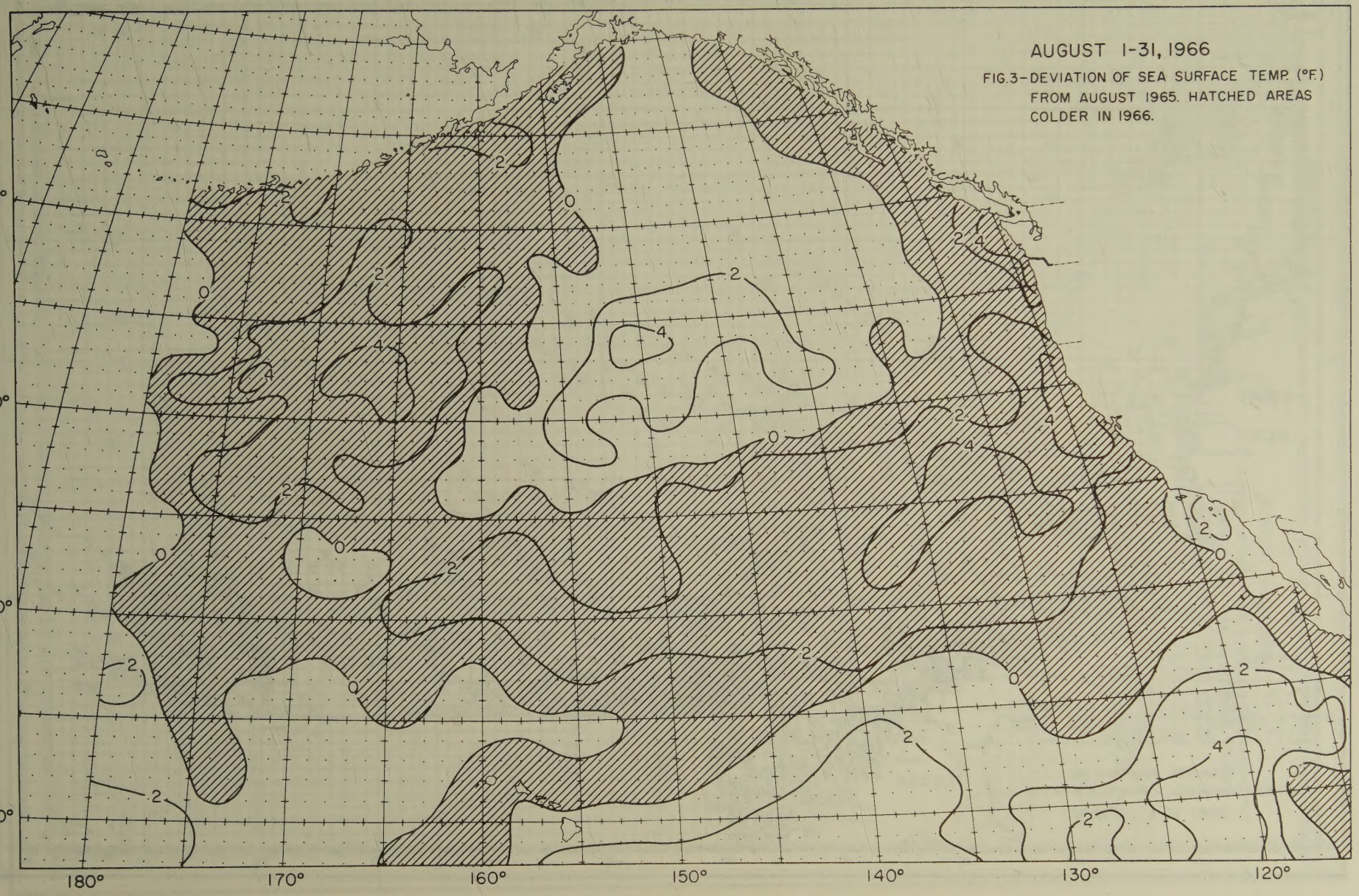
James A. Renner
Fishery Biologist (General)
September 7, 1966

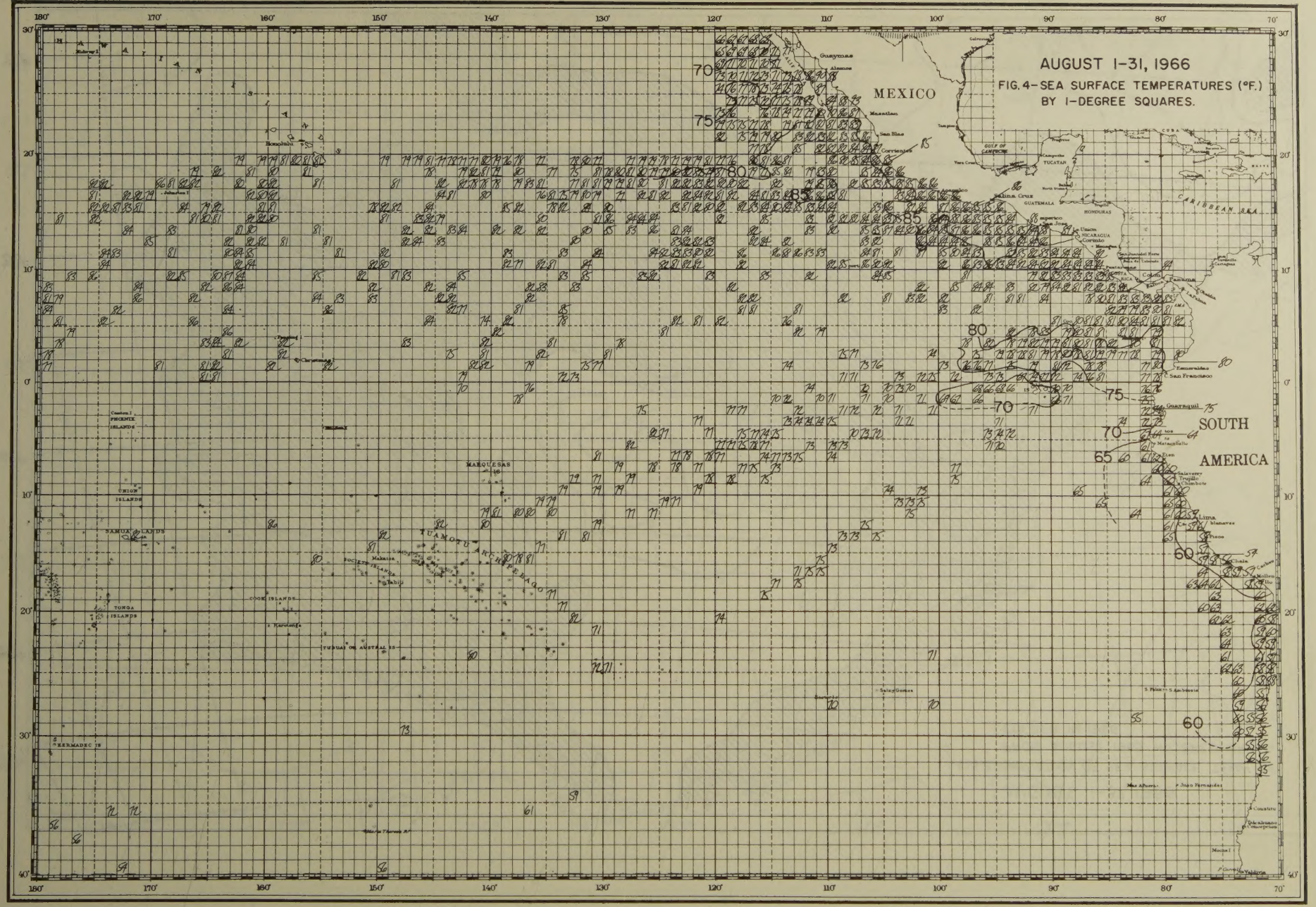
AUGUST 1-31, 1966

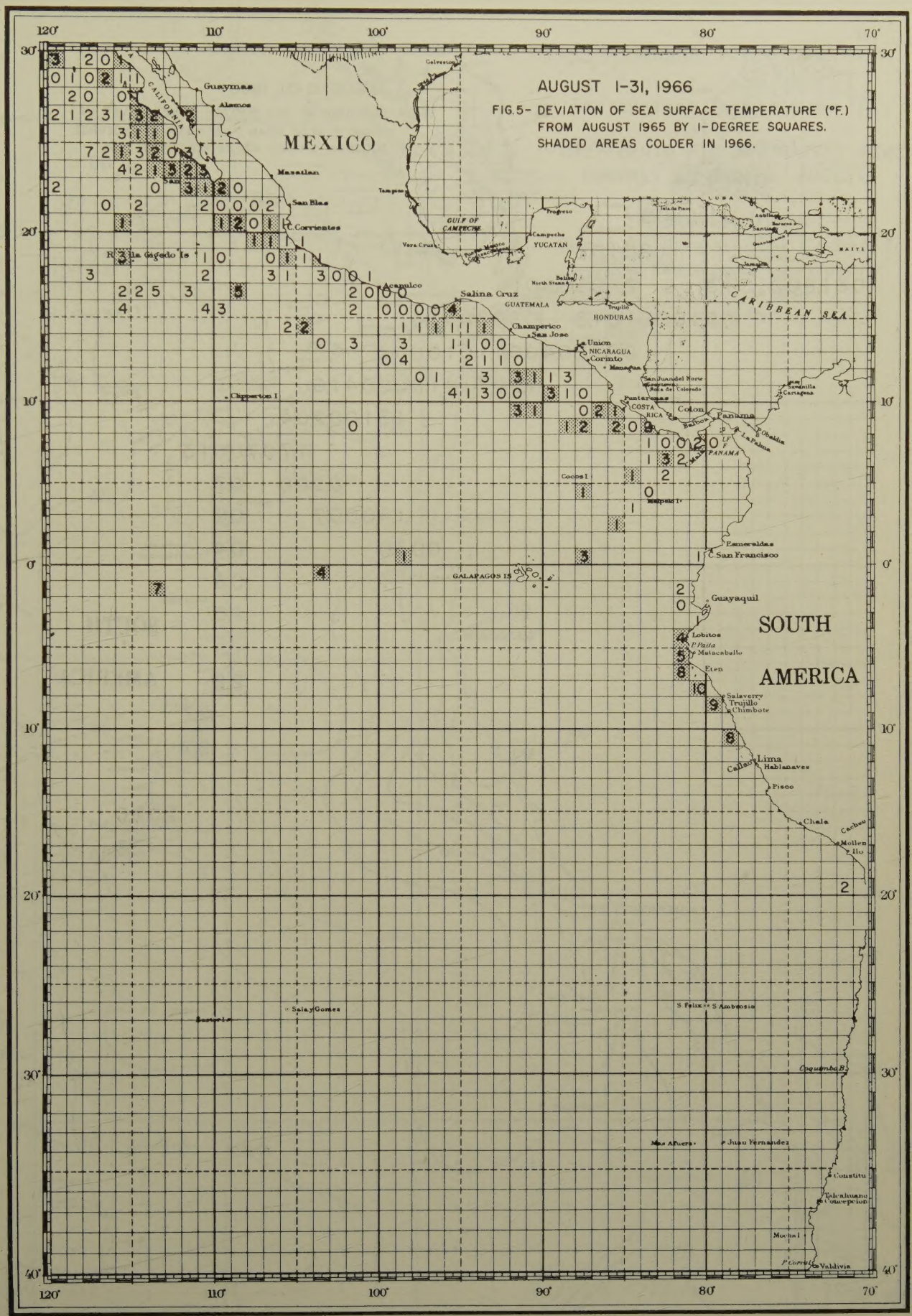
FIG.1-MEAN SEA SURFACE TEMPERATURE (°F.)

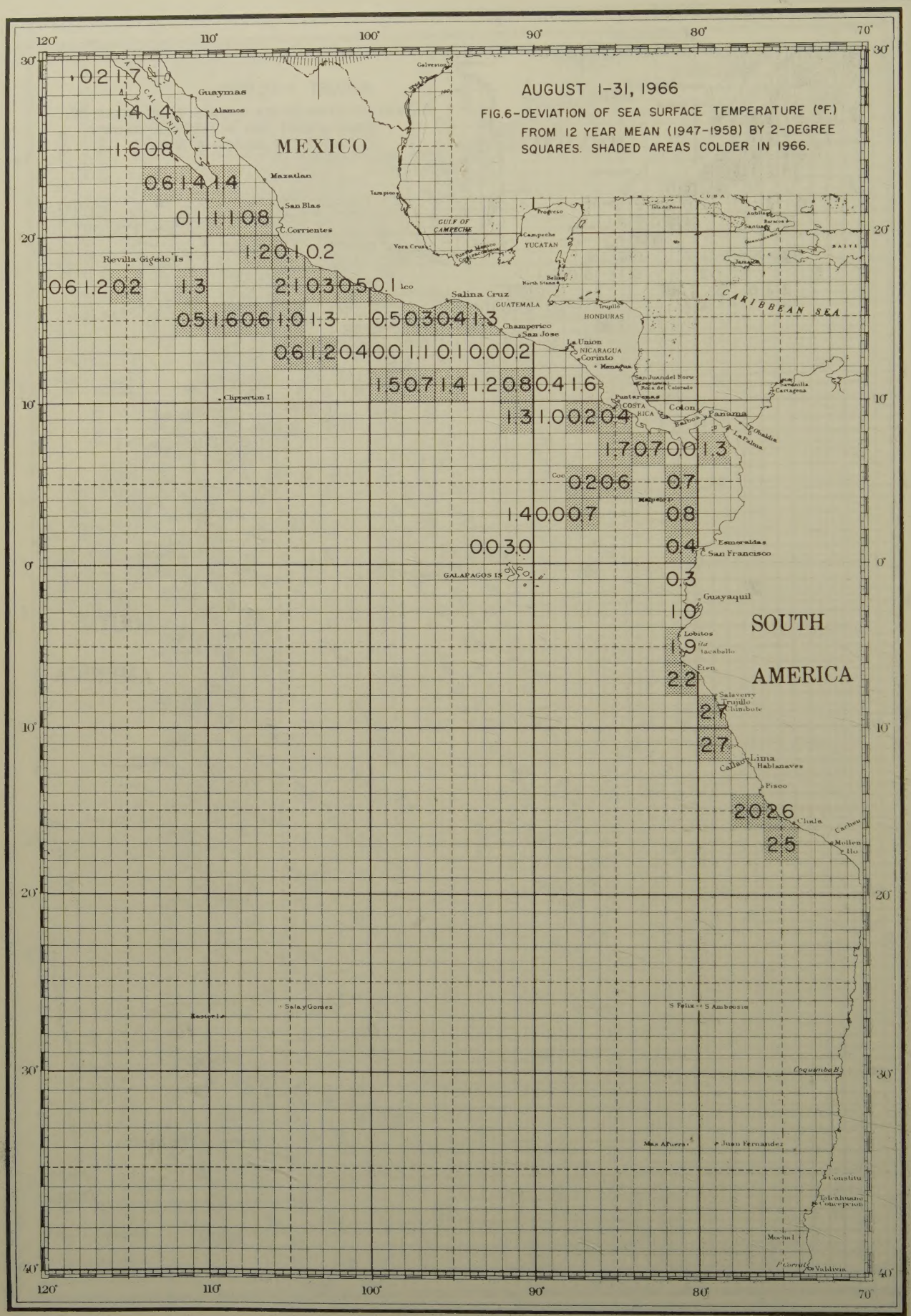


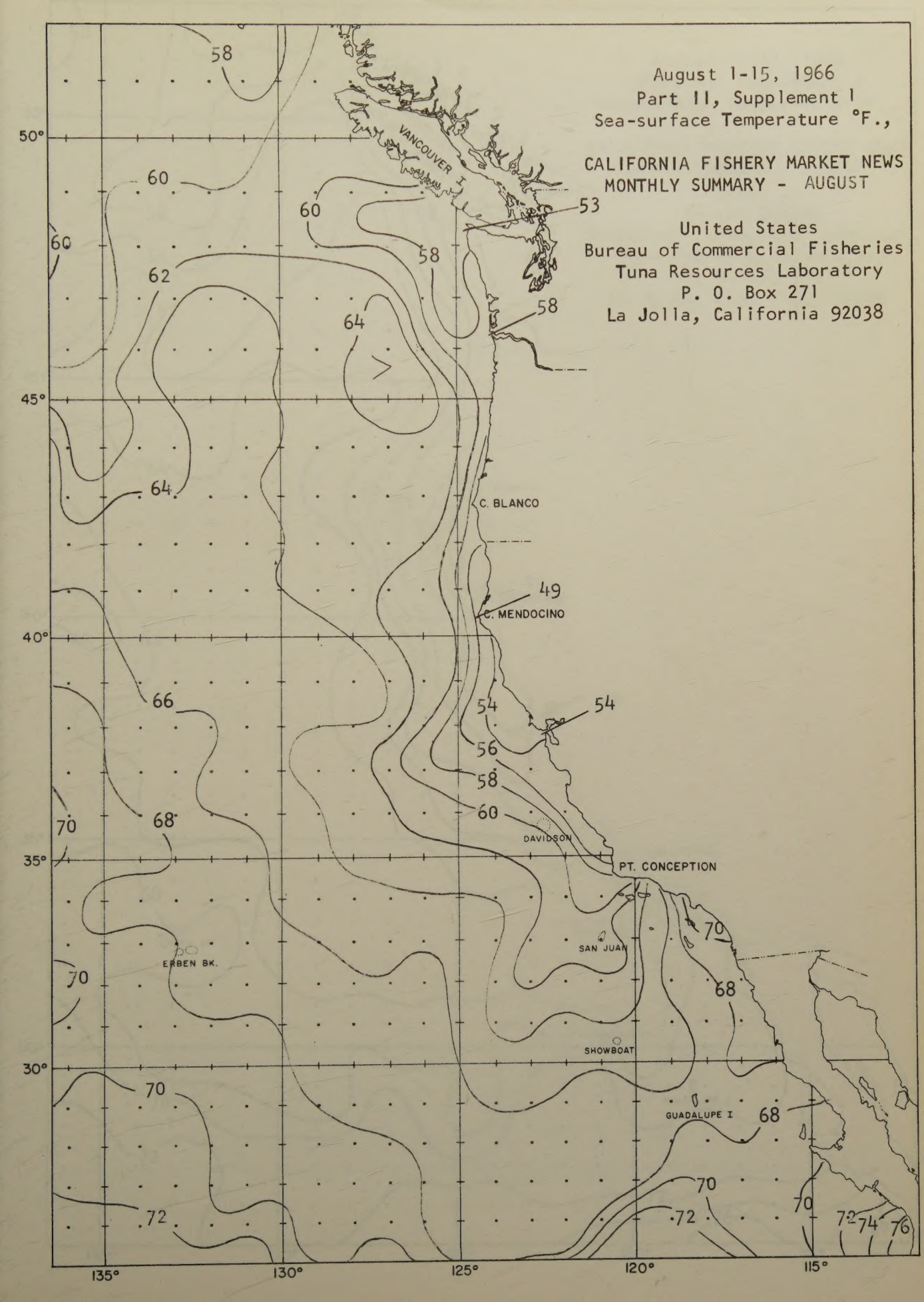

AUGUST 1-31, 1966
FIG.2 - DEVIATION OF SEA SURFACE TEMP. (°F.) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1966.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°
0
2
4


AUGUST 1-31, 1966
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F.) FROM AUGUST 1965. HATCHED AREAS COLDER IN 1966.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


AUGUST 1-31, 1966
FIG. 4-SEA SURFACE TEMPERATURES (°F.)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH
AMERICA
CARIBBEAN SEA
GULF OF CAMPECHE
HONDURAS
GUATEMALA
NICARAGUA
COSTA RICA
CUBA
HAITI
JAMAICA
Honolulu
Johnston I.
Canton I.
PHOENIX ISLANDS
Hilliary
UNION ISLANDS
SAMOA ISLANDS
TONGA ISLANDS
COOK ISLANDS
MARQUESAS
TUAMOTU ARCHIPELAGO
Papeete
Tahiti
Rarotonga
TUBUAI OR AUSTRAL IS.
BERMADEC IS.
Guayaquil
Callao
Lima
Chile
Easter I.
Juan Fernandez
Mocha I.
Valdivia
Galapagos
Cocos I.
Malpelo I.
Gorgona
Buenaventura
Tumaco
Esmeraldas
San Francisco
Salaverry
Trujillo
Chimbote
Pisco
Mollendo
Ilo
Arica
Iquique
Antofagasta
Mejillones
Caldera
Coquimbo
Valparaiso
Talcahuano
Concepcion
Constitu
Corrientes
Mazatlan
San Blas
Manzanillo
Salina Cruz
Puerto Armuelles
Balboa
Panama
Colon
Cristobal
Puerto Limon
Puerto Cortes
Belize
Progreso
Campeche
YUCATAN
Veracruz
Tampico
Galveston
Guaymas
Almejas
Norte Island
Malpelo I.
Sala y Gomez
Mas Afuera
S. Felix
S. Ambrosio
Easter I.
Nicoya
Golfito
Puntarenas
Quepos
Corinto
La Libertad
La Union
Amapala
Puerto Barrios
Livingston
Omoa
Tela
Ceiba
Trujillo
Roatan
Swan I.
Cayman Is.
Kingston
Port Antonio
Montego Bay
Santiago de Cuba
Guantanamo
Nassau
Turks Is.
Caicos Is.
Mole St. Nicholas
Port au Prince
Cape Haitien
Gonaives
Jacmel
Aux Cayes
Barahona
Puerto Plata
Samana
Mona Passage
Puerto Rico
Mayaguez
Ponce
Aguadilla
Arecibo
Fajardo
Culebra
Vieques
St. Croix
St. Thomas
St. John
St. Croix
Barbados
Trinidad
Tobago
Grenada
St. Vincent
St. Lucia
Martinique
Dominica
Guadeloupe
Montserrat
Antigua
St. Kitts
Nevis
Anguilla
St. Martin
Saba
St. Eustatius
Curacao
Aruba
Bonaire
Los Roques
Margarita
Cumana
Carupano
Guiria
Puerto Cabello
La Guaira
Maracaibo
Coro
Las Piedras
Puerto Cabello
Barquisimeto
Valencia
Maracay
Caracas
Guanare
Barinas
Merida
San Cristobal
Maracaibo
Coro
Las Piedras
Puerto Cabello
Barquisimeto
Valencia
Maracay
Caracas
Guanare
Barinas
Merida
San Cristobal


AUGUST 1-31, 1966
FIG. 5- DEVIATION OF SEA SURFACE TEMPERATURE (°F.) FROM AUGUST 1965 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1966.
MEXICO
SOUTH AMERICA
CARIBBEAN SEA
GULF OF CALIFORNIA
GULF OF CAMPECHE
YUCATAN
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
PANAMA
CUBA
HAITI
JAMAICA
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Acapulco
Salina Cruz
Champerico
San Jose
La Union
Corinto
Managua
Chipperton I
Cocos I
Malpelo I
Esmeraldas
C. San Francisco
Guayaquil
Lobitos
P. Pata
Malacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablanaves
Pisco
Chala
Cachau
Mollendo
Ilo
Coquimba B.
Mas Afuera
P. Juan Fernandez
Constitu
Talcahuano
Concepcion
Mocha I
P. Corral
Valdivia
S. Felix
S. Ambrosio
Sala y Gomez
Galveston
Tampico
Vera Cruz
Progreso
Campeche
Belize
Tela de Pisco
Arabian Reefs
Santiago
Kingston
Jamaica
Puerto Limon
Puntarenas
Panama
Colon
Bahia
Obaldia
La Palma
Cartagena
Sabanilla
San Juan del Norte
Roca del Colorado
Trujillo
North Stann R.
Rocca Clarion I
30°
20°
10°
0°
10°
20°
30°
40°
120°
110°
100°
90°
80°
70°


AUGUST 1-31, 1966
FIG.6-DEVIATION OF SEA SURFACE TEMPERATURE (°F.) FROM 12 YEAR MEAN (1947-1958) BY 2-DEGREE SQUARES. SHADED AREAS COLDER IN 1966.
MEXICO
SOUTH AMERICA
CARIBBEAN SEA
GULF OF CAMPECHE
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
YUCATAN
CUBA
HAITI
JAMAICA
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Revilla Gigedo Is
Salina Cruz
Champerico
San Jose
La Union
Corinto
Managua
Panama
Colon
Balboa
Esmeraldas
San Francisco
Guayaquil
Lobitos
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablanaves
Pisco
Chala
Arica
Iquique
Mejillones
Antofagasta
Coquimbo B.
Juan Fernandez
Mas A Fuera
Valdivia
Corral
Mocha I.
Concepcion
Talcahuano
Constitu
Easter I.
Sala y Gomez
S. Felix
S. Ambrosio
Chipperton I
Galveston
Tampico
Progreso
Campeche
Vera Cruz
Belize
Trujillo
Bahia de Caledonia
Bocas del Colorado
Cartagena
Barranquilla
Isla de Pinos
Santiago
Kingston
Port Antonio
Barbados
Tobago
Trinidad
Curacao
Aruba
Maracaibo
Puerto Cabello
La Guaira
Margarita I.
Cumana
Guanta
Carupano
Pampatar
Cabo Blanco
Pta. Aguja
Pta. Malabrigo
Pta. Chicama
Pta. Salinas
Pta. Pescadores
Pta. Lobos
Pta. Patillos
Pta. Lagunillas
Pta. Tetas
Pta. Angamos
Pta. Gruesa
Pta. Coloso
Pta. Copaca
Pta. Lobos
Pta. Chipana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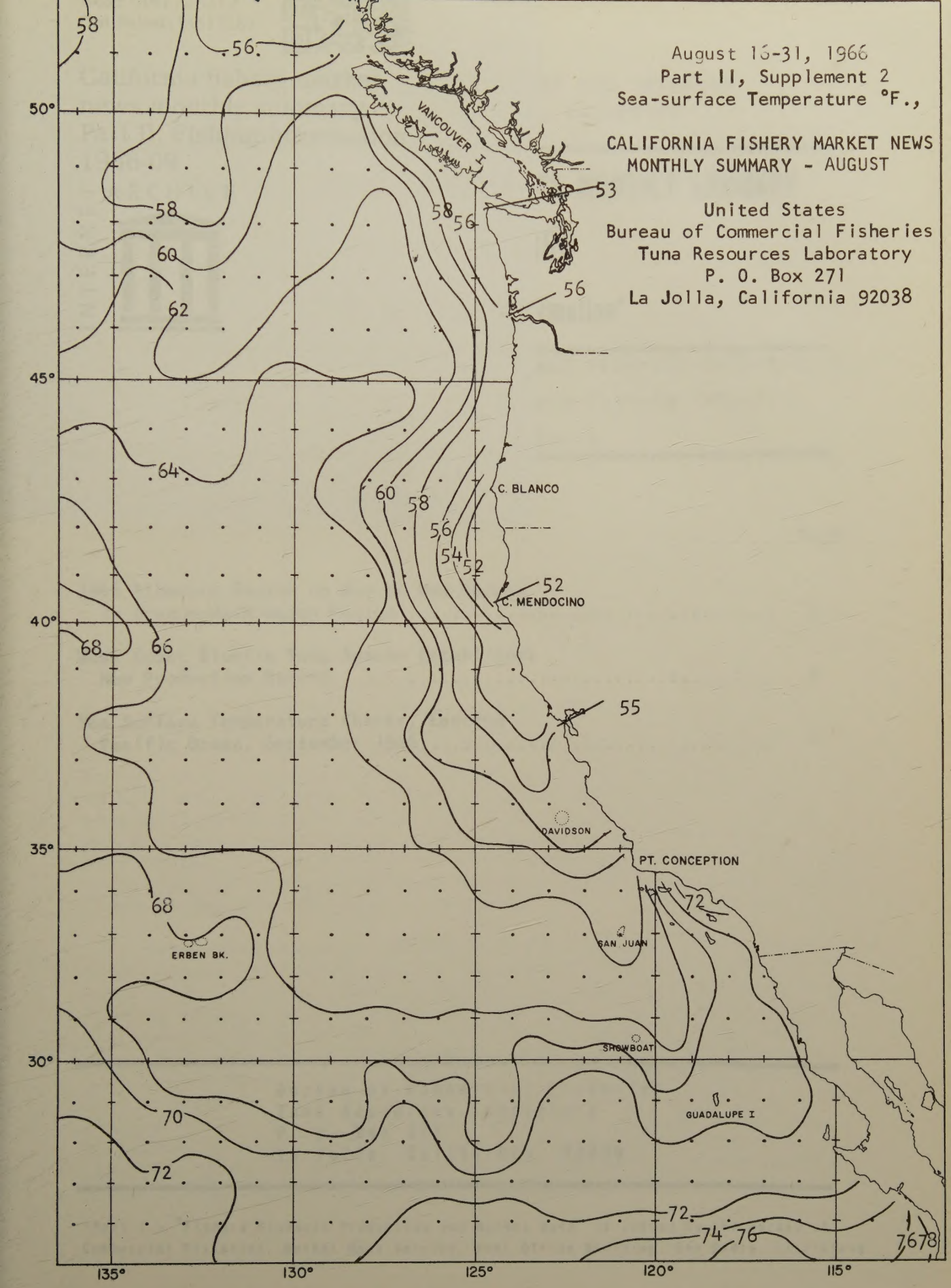
Part II, Supplement 1
Sea-surface Temperature °F.,
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - AUGUST
United States
Bureau of Commercial Fisheries
Tuna Resources Laboratory
P. O. Box 271
La Jolla, California 92038
VANCOUVER I
C. BLANCO
C. MENDOCINO
DAVIDSON
PT. CONCEPTION
SAN JUAN
SHOWBOAT
ERBEN BK.
GUADALUPE I
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°
58
60
62
64
53
49
54
56
66
68
70
72
74
76


August 16-31, 1966
Part II, Supplement 2
Sea-surface Temperature °F.,
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MONTHLY SUMMARY - AUGUST
United States
Bureau of Commercial Fisheries
Tuna Resources Laboratory
P. O. Box 271
La Jolla, California 92038
VANCOUVER I.
C. BLANCO
C. MENDOCINO
DAVIDSON
PT. CONCEPTION
SAN JUAN
SNOWBOAT
GUADALUPE I
ERBEN BK.
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°